

## CLAIM AMENDMENTS

### IN THE CLAIMS

This listing of the claims will replace all prior versions, and listing, of claims in the application or previous response to office action:

1. (Currently Amended) A system for monitoring resources within a build to order manufacturing facility comprising:

a remote monitoring system coupled to one or more pieces of equipment within the manufacturing facility, said pieces of equipment operable to produce build to order products;

the remote monitoring system operable to determine an operating status of the one or more pieces of equipment and to determine whether an order ship criteria associated with producing a particular order of build to order products has been fulfilled;

said remote monitoring system operable to consolidate real-time information relating to the operating status;

the remote monitoring system communicatively coupled to a control center, said remote monitoring system operable to display real-time status information associated with using the one or more pieces of equipment, wherein the status information indicates if a particular piece of equipment is fully functional or if the particular piece of equipment is inoperable; and

a simulator communicatively coupled to the remote monitoring system and operable to dynamically simulate resource re-allocation using available pieces of equipment that are indicated to be fully functioning and does not use the particular piece of equipment that is indicated to be inoperable ~~allocate resources based on an error associated with the one or more pieces of equipment~~.

2. (Original): The system of Claim 1 further comprising plural pieces of equipment operably associated with one or more locations within the manufacturing facility.

3. (Cancelled)

4. (Original): The system of Claim 1 further comprising one or more remote access terminals within the manufacturing facility operable to provide access to the remote monitoring system.

5. (Cancelled).

6. (Original): The system of Claim 1 further comprising a network interface communicatively coupled to one or more of the pieces of equipment and operable to communicate information in real-time to provide the operating status associated with the one or more pieces of equipment.

7. (Original): The system of Claim 1 further comprising a process monitor operable to monitor a process that uses the one or more pieces of equipment.

8. (Currently Amended): A method for monitoring resources within a build to order manufacturing facility, the method comprising:

accessing information resources for selective portions of a manufacturing facility, said information resources associated with one or more pieces of equipment, said equipment remotely located from a control center for the manufacturing facility and operable to produce build to order products, wherein said information resources provide real-time data on operating status for the one or more pieces of equipment;

consolidating the real-time information on the operating status in a remote monitoring system;

determining operating status of the one or more pieces of equipment relative to a ship criteria associated with manufacturing the products, ~~using based on~~ the real-time data on operating status provided by said information resources;

displaying the determined operating status within a user interface of the control center, wherein the displayed operating status indicates if a particular piece of equipment is fully functional or if the particular piece of equipment is inoperable; and

simulating a re-allocation ~~the allocation~~ of resources based on the inoperability of one or more pieces of equipment; and

dynamically reallocating the resources in response the inoperability of one or more pieces of equipment.

9. (Previously Presented): The method of Claim 8 further comprising:  
accessing a log to obtain information for monitoring the equipment;  
automatically determining if an error has occurred with one of the pieces of equipment, based on the information obtained from the log; and  
automatically updating the displayed operating status for the piece of equipment in the control center, in response to determining that the error has occurred.

10. (Cancelled)

11. (Cancelled)

12. (Original): The method of Claim 8 further comprising automatically reallocating resources upon determining an error associated with a malfunctioning piece of equipment.

13. (Original): The method of Claim 12 further comprising routing product to a different portion of the manufacturing facility in response to determining the error.

14. (Original): The method of Claim 8 further comprising associating a process with the one or more pieces of equipment to provide a process monitor.

15. (Currently Amended): A program product for monitoring resources within a build to order manufacturing facility, the program product comprising:  
a computer-usable medium; and

control logic encoded in the computer-usable medium, wherein the control logic, when executed, performs operations comprising:

obtaining real-time data on operating status for one or more pieces of equipment in a manufacturing facility from information resources for selective portions of the manufacturing facility, said information resources associated with the one or more pieces of equipment, said equipment remotely located from a control center for the manufacturing facility and operable to produce build to order products;

consolidating the real-time information on the operating status in a remote monitoring system;

determining an operating status of the one or more pieces of equipment relative to a ship criteria associated with manufacturing the products, based on the real-time data on operating status;

displaying the determined operating status within a user interface of the control center, wherein the displayed operating status indicates if a particular piece of equipment is fully functional or if the particular piece of equipment is inoperable;

simulating a re-allocation ~~the allocation~~ of resources based the inoperability of one or more pieces of equipment; and

dynamically reallocating the resources in response to the in operability of one or more pieces of equipment ~~encountering the error~~.

16. (Currently Amended): The program product ~~medium~~ of Claim 15 further comprising the control logic operable to:

access a log to obtain information for monitoring the equipment;  
determine if an error has occurred with one of the pieces of equipment;  
notify the control center of the error; and  
update the status for the piece of equipment.

17. (Cancelled)

18. (Currently Amended): The ~~medium-program product~~ of Claim 15 further comprising the control logic operable to provide information in real-time from remote locations within the manufacturing facility.

19. (Currently Amended): The ~~medium-program product~~ of Claim 15 further comprising control logic operable to automatically reallocate resources upon determining an error associated with a malfunctioning piece of equipment.

20. (Currently Amended): The ~~medium-program product~~ of Claim 19 further comprising the contoro logic operable to route product to a different portion of the manufacturing facility in response to determining the error.

21. (Currently Amended): The ~~medium-program product~~ of Claim 15 further comprising control logic operable to associate a process with the one or more pieces of equipment to provide a process monitor.